

Collisions

When two objects collide, the effects depend on the mass and the speed of each object. The total momentum of colliding objects is the same before and after a collision. This is referred to as the **Conservation of Momentum**. For each diagram, draw the resulting paths and explain why each outcome occurred.

Head-On Collision

Glancing Blow

Two identical billiard balls



Why did this happen? _____



Why did this happen? _____

A marble and a Ping-Pong ball

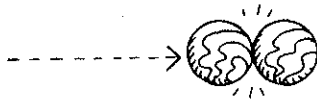


Why did this happen? _____

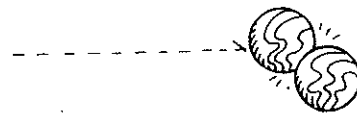


Why did this happen? _____

Two identical marbles



Why did this happen? _____



Why did this happen? _____
